

# JAVA.UTIL.LINKEDHASHSET CLASS

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## Introduction

The **java.util.LinkedHashSet** class is a Hash table and Linked list implementation of the Set interface, with predictable iteration order. Following are the important points about LinkedHashSet:

- This class provides all of the optional Set operations, and permits null elements.

## Class declaration

Following is the declaration for **java.util.LinkedHashSet** class:

```
public class LinkedHashSet<E>
    extends HashSet<E>
    implements Set<E>, Cloneable, Serializable
```

## Parameters

Following is the parameter for **java.util.LinkedHashSet** class:

- **E** -- This is the type of elements maintained by this set.

## Class constructors

S.N.	Constructor & Description
1	<b>LinkedHashSet()</b> This constructs a new, empty linked hash set with the default initial capacity (16) and load factor (0.75).
2	<b>LinkedHashSet(Collection&lt;? extends E&gt; c)</b> This constructs a new linked hash set with the same elements as the specified collection.
3	<b>LinkedHashSet(int initialCapacity)</b> This constructs a new, empty linked hash set with the specified initial capacity and the default load factor (0.75).
4	<b>LinkedHashSet(int initialCapacity, float loadFactor)</b> This constructs a new, empty linked hash set with the specified initial capacity and load factor.

## Class methods

This class inherits methods from the following classes:

- java.util.HashSet
- java.util.AbstractSet
- java.util.AbstractCollection
- java.util.Object

- `java.util.Set`